

Amendments To The Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (previously presented) Pump device for the hydraulic actuation of a valve, in particular for a valve used in the production of crude oil or natural gas, such as a safety valve assigned to a pipeline or a tree, the pump device comprising:

a piston-cylinder unit from which hydraulic fluid can be pumped in the direction of the valve under pressure; and an electrical drive device movably connected to the piston of the piston-cylinder unit for the alternating movement of the piston in a piston longitudinal direction inside the cylinder.

2. (previously presented) Pump device according to claim 1, wherein the electrical drive device includes a spindle drive, a reduction gear, a spur gear and at least one drive shaft with at least one electric motor rotating the drive shaft.

3. (previously presented) Pump device according to claim 1, wherein the spindle drive includes a rotatable, but axially immovable spindle nut and an axially movable threaded spindle.

4. (previously presented) Pump device according to claim 1, wherein the threaded spindle is releasably connected at its actuating end to the piston.

5. (previously presented) Pump device according to claim 1, wherein the spindle nut is movably connected to the reduction gear.

6. (currently amended) Pump device according to claim 339, wherein the spindle nut is rotationally rigidly connected to a flexible, cup-shaped toothed sleeve of the harmonic drive gear.

7. (cancelled)

8. (currently amended) Pump device according to claim ~~239~~, wherein a wave generator of the harmonic drive gear is rotationally rigidly connected to a first spur wheel of a helically toothed spur gear and a second spur wheel is rotationally rigidly arranged on the drive shaft driven by the motor.

9. (previously presented) Pump device according to claim 8, wherein the spur gear is a double helical gear.

10. (previously presented) Pump device according to claim 1, wherein the piston is adjustably supported in a piston chamber of the cylinder in the piston longitudinal direction, whereby the piston chamber exhibits on its face side at least one suction and one discharge hole.

11. (previously presented) Pump device according to claim 10, wherein each hole is assigned a non-return valve, which is subjected to a force opposite to the hydraulic fluid flow direction through the respective hole.

12. (currently amended) Pump device according to claim 1, ☐ wherein the holes are formed in a cylinder bottom plate releasably fixed on the cylinder.

13. (currently amended) Pump device according to claim 10, ☐ wherein the suction hole opens into an intermediate reservoir of the pump device with its end facing away from the piston.

14. (cancelled)

15. (currently amended) Pump device according to claim 10, ☐ wherein the discharge hole is connected to a discharge pipe for the passage of the hydraulic fluid in the direction of the valve.

16. (currently amended) Pump device according to claim 10, ☐ wherein the discharge pipe is brought out through the intermediate reservoir from a pump housing.

17.-32. (cancelled)

33. (previously presented) Pump device according to claim 1, wherein the pump device is of modular construction

34. (cancelled)

35. (previously presented) Pump device according to claim 1, wherein a quick-release coupling device is arranged between the pump housing and a hydraulic fluid supply pipe.

36. (previously presented) Pump device according to claim 1, wherein at least two servomotors are arranged redundantly with respect to one another.

37. (previously presented) Pump device according to claim 1, wherein the hydraulic fluid is an injection fluid.

38. (previously presented) Pump device according to claim 3, wherein a position sensor is assigned to at least the threaded spindle.

39. (previously presented) Pump device according to claim 5, wherein the reduction gear is a harmonic drive gear.

40. (cancelled)

41. (cancelled)

42. (currently amended) Pump device according to claim 37, wherein the injection fluid is an inhibitor.

43. (previously presented) Pump device for the hydraulic actuation of a safety valve on a pipeline or tree used in the production of hydrocarbons, the pump device comprising:

a body with a cylinder housing a piston such that hydraulic fluid can be pumped under pressure in the cylinder in the direction of the safety valve; and

an electrical drive device movably connected to the piston of the piston to move the piston in a longitudinal direction inside the cylinder upon the hydrocarbons reaching a predetermined pressure.

44. (previously presented) A pump apparatus for a subsea tree used in the production of hydrocarbons, the pump apparatus comprising:

a power source at a surface of the sea;

a pump to pump hydraulic fluid under pressure into a conduit for hydraulic actuation;

an electrical drive device movably connected to the pump to drive the pump; and

an electrical cable connecting the power at the sea surface to the electrical drive device at the subsea tree.

45. (previously presented) The pump apparatus of claim 44 further including a hydraulic source located subsea and the pump communicating with the hydraulic source to pump the hydraulic fluid.

46. (previously presented) The pump apparatus of claim 44 wherein the pump and electrical drive device are adapted for releasable connection to the subsea tree.